



Microcare[®]

Mn 13

Chelated Micronutrients

FORT



Manganese EDTA Chelated Mn 13x

Microcare[®]_{FORT} a complete range of water soluble Trace elements straights & Combi produced by full cooperating and supporting by the biggest global Trace elements and chelating producers in the world

Available Formulas:

Microcare[®]_{FORT} Fe EDDHA 6%: Iron formulas chelated by EDDHA chelated form added to soil to cover all plant needs & cure Iron chlorises under alkaline soil conditions.

Microcare[®]_{FORT} Fe DTPA: Iron Formulas chelated by DTPA.

Microcare[®]_{FORT} EDTA: formulations of Trace elements Chelated by EDTA, special design for foliar application & low pH soil.

Microcare[®]_{FORT} Fe13 Foliar Fe chelated for foliar application For fast correction & cure Iron chlorises.

Microcare[®]_{FORT} Zn15 Foliar Zn chelated for foliar application For fast correction & cure Zinc deficiency.

Microcare[®]_{FORT} Cu 15 Foliar Cu chelated for foliar application For fast correction & cure copper deficiency.

Microcare[®]_{FORT} Mn 15 Foliar Mn chelated for foliar application For fast correction & cure Manganese deficiency.

Microcare[®]_{FORT} Combi 1 & Combi 2: Mixture of trace elements chelated.



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Mn 13 FORT

Chelated Micronutrients

Foliar chelated Mn For the fast correction & cure Mn deficiency

Characteristics

- Ethylenediaminetetraacetic acid manganese-disodium complex, EDTA-MnNa_2
- is a stable, water-soluble manganese Chelates.
- Appearance Off-white microgranules
- pH (1% solution) 6 - 7
- manganese (Mn) content 13%
- Level of chelation fully



Microcare[®] FORT Mn 13 is a stable, water-soluble and non-dusting manganese chelate

Advantages Uses of Microcare[®] FORT Mn 13

Chelates give best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. there are many factors Causing Mn deficiencies, e.g: alkaline soil conditions, and not proper trace element application. The major symptom of deficiency is a reduction in the efficiency of photosynthesis leading to a general decline in dry matter productivity and yield. Manganese is activator for enzyme system, involved in oxidation-reduction processes - in the reduction of nitrate within the plant.

Symptoms of deficiency: Inter-vein chlorosis, Necrotic spotting, Poor root growth Increased disease risk

Microcare[®] FORT Mn 13 For the fast correction of Mn deficiency in crops and ornamentals growing adversely alkaline soils and calcareous soils, with pH > 7, high contents of carbonate, etc, which has a negative impact on Mn availability in the soil and Mn uptake by plant.

Rates of use

The following dosages can be used as guidance, the rates indicate upper and lower limits. Actual rates used will depend upon degree of deficiency, type and size of crop and environmental factors.

1. Green house Crops

Crop	Mn Deficient soil / compost	Soiless culture	Foliar application
	For every watering	For every watering	3 weeks interval
Vegetables	6 g/1,000 l	4 g/1,000 l	01-0.5 g/l
Cut flowers	5 g/1,000 l	2-4 g/1,000 l	01-0.5 g/l
Potted flowers, pot plants		2 g/1,000 l	01-04 g/l

2. Open field crops, arable, fruits and vegetables Crops

Soil application, arable crops	2-4 kg/ha	Apply pre-drilling or pre-planting to bare soil in a convenient volume of water, cultivate after spraying
Soil application, horticultural crops	2-4 kg/ha	
Apple/Pear	15-50 g / l	Immediately afterwards to wash the copper chelate from the foliage. Or use last 5 minutes the foliar application rate.
Wheat	15-50 g / l	
Foliar application	0.2-0.7 kg/ha	Apply in water volume that gives adequate coverage of the crop (200-1,000 l). Do not exceed the concentration of 0.1%, unless tested.
Soybean	3 X 1 kg/ha	
Citrus/ Apple/ Pear	1-2 kg/ha	
Grape	1-2 kg/ha	
Cereals	1-2 kg/ha	

Never exceed the recommended application rate. In the case of severe deficiencies, applications may have to be repeated at 7-10 day intervals. Repeat the application as necessary during the growth season.

Foliar application

General

- Spraying should be carried out on a calm day, but not during strong sunshine
- Spraying machines should be fitted with nozzles which produce a fine spray quality.
- The best time is late afternoon or evening, when atmospheric humidity is greatest.

Soil

Microcare[®] FORT Mn 13 chelates, should be injected into irrigation systems at a rate of 1kg per 10,000 litres of water

Packing

Available in 1 Kg cardboard boxes with an inside polyethylene bag. For more information, please contact our distributor in your area or contact us via e-mail: info@adfert.ae



DISCLAIMER.

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